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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/765,558	01/26/2004	Gajendra Shukla	034421-000178	8147

7590 03/09/2006

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EXAMINER

CHO, HONG SOL

ART UNIT PAPER NUMBER

2662

DATE MAILED: 03/09/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

JK

Office Action Summary	Application No. 10/765,558	Applicant(s) SHUKLA ET AL.	
	Examiner Hong Cho	Art Unit 2662	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 27 December 2005.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1 and 2 is/are pending in the application.
 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1 and 2 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Amendment

1. This office action is a response to the amendment filed on 12/27/2005. Claims 1 and 2 are pending in the instant application.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.
3. Claims 1 and 2 are rejected under 35 U.S.C. 103(a) as being unpatentable over Cheung et al (U.S 5812531), hereinafter referred to as Cheung in view of Ritter et al (U.S 5570084), hereinafter referred to as Ritter and further in view of Lee et al (USPUB 20050141457), hereinafter referred to as Lee.

Re claims 1 and 2, Cheung discloses tracking a mobile node in a wireless network (column 7, lines 43-49). Cheung discloses a wireless node registered to a single access point (AP) (*a wireless device associated with a first access point*, column 3, lines 53-56). Cheung discloses APs having overlapping coverage areas and constructing a topology table describing the topology of the wireless network around itself (*associating a first AP and a second AP when the first AP and the second AP have overlapping coverage areas*,

figure 1; column 7, lines 43-58). Cheung discloses APs connected to a wired LAN, but fails to disclose the network having a plurality of gateways and each gateway coupled to at least one access point. Ritter discloses a system where an AP is connected to the network via a bridge/router (elements 26 and 30 connected to elements 12 and 14, figure 1). It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify Cheung to have a gateway coupled to an access point. The motivation to combine is to get the benefit of using a gateway in routing packets between the wireless network and the wired network and between wireless nodes. Chung and Ritter fail to disclose transferring information associated with the wireless device to the second access point upon establishment of a communication session between the wireless device and the first access point, said transferred information including session parameters relating to communication sessions between the wireless device and the wireless network such that disruption of communication between the wireless device and the wireless network during a turnover of communication with the wireless device from the first access point to the second access point is minimized. Lee discloses a procedure of propagating state information of a wireless station to potential APs (*transferring session parameters to other APs*) before a handoff is performed (*upon establishment of a communication session between the wireless device and the first access point*, (paragraph [0043])). It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify Cheung to adopt the above procedure of Lee so that a wireless client would not experience disruption of a communication session with new AP because the handoff would be seamless operation.

Re claim 2, Cheung discloses all of the limitations of the base claim, but fails to disclose associating a first AP and a gateway coupled to a second AP. Ritter discloses a system where an AP is connected to the network via a bridge/router (element 26, figure 1). It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify Cheung to have a gateway coupled to an access point. The motivation to combine is to get the benefit of using a gateway in routing packets between the wireless network and the wired network and between wireless nodes serviced with different APs.

Response to Arguments

4. Applicant's arguments with respect to claims 1 and 2 have been considered but are moot in view of the new ground(s) of rejection.

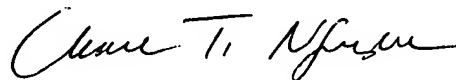
Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hong Cho whose telephone number is 571-272-3087. The examiner can normally be reached on Mon-Fri during 7 am to 4 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hassan Kizou can be reached on 571-272-3088. The fax phone number for the organization where this application or proceeding is assigned is 571-273-3088.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

hc
Hong Cho
Patent Examiner
3/1/2006



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